This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (currently amended) A method of speech encoding of a digital signal processor, comprising:

    (a) determine bandpass voicing levels for a frame of speech;

    (b) determine a zero-phase equalization filter for said frame wherein harmonics which fall into a band that was determined to have a voicing level below a threshold in step (a) are replaced for said zero-phase equalization filter, wherein the equalization filter is only applied to the harmonics recognized as voice.

2. (original) The method of claim 1, wherein:

    (a) said determining bandpass voicing of step (a) uses the frequency bands 0-500 Hz, 500-1000 Hz, 1000-2000 Hz, 2000-3000 Hz, and 3000-4000 Hz